

## INTERNATIONAL SEARCH REPORT

National Application No  
PCT/IB2004/051091

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B41J2/01 H05B33/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B41J H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08, 30 August 1996 (1996-08-30) & JP 8 086913 A (ASAHI GLASS CO LTD), 2 April 1996 (1996-04-02) abstract	1,18
A	& DATABASE WPI Week 199629 Derwent Publications Ltd., London, GB; AN 226245 abstract	3,10
X	US 2003/063154 A1 (GOTO MAKOTO) 3 April 2003 (2003-04-03)	11,12,18
A	paragraphs '0015!, '0016!, '0042!, '0074! - '0079!, '0107!; figures 15-17,20	1,13-17
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

7 October 2004

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18/10/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 16, 8 May 2001 (2001-05-08) -& JP 2001 015416 A (TOSHIBA CORP), 19 January 2001 (2001-01-19) abstract & DATABASE WPI Week 200120 Derwent Publications Ltd., London, GB; AN 196200 abstract -----	1-17
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 102954 A (ASAHI OPTICAL CO LTD; FUJITSU LTD), 13 April 1999 (1999-04-13) abstract -----	6,7,11, 12
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 08, 6 August 2003 (2003-08-06) -& JP 2003 103766 A (BROTHER IND LTD), 9 April 2003 (2003-04-09) abstract & DATABASE WPI Week 200349 Derwent Publications Ltd., London, GB; AN 517199 abstract -----	10,11, 16,17

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
JP 8086913	A 02-04-1996	NONE		
US 2003063154	A1 03-04-2003	CN JP	1409131 A 2003173874 A	09-04-2003 20-06-2003
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